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REFERENCE LISTING

<110> Reed, Steven G.  
Xu, Jiangchun  
Dillon, Davin C.

<120> COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS OF BREAST CANCER AND  
METHODS FOR THEIR USE

<130> 210121.446C2

<140> US

<141> 1998-02-08

<160> 94

<170> PatentIn Ver. 2.0

<210> 1

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

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ctttcaatat tttaaaaaat gctcacgcag caaatatgaa aagctncaac acttcccttt 180  
gttaacttgc tgcaatnaat gcaactttaa canacataca aatttcttct gtatcttaaa 240  
agttnaatta ctaattttta tgatnttnt caagatnttt attcatatac tttaaatgac 300  
tcnttgccna tacatacnta ttttctttac ttttttttta cnatnggcc aacagctttca 360  
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<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 2

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ncatttccaa ctnagcccac gctttcaacc nngccnaaca aagaaaatca gttnggggta 180  
aattctttgc tgganacaaa gaactacatt cctttgtaaa tnatgctttg tttgctctgt 240  
gcaaacncag attgaagggg anaagganac ttntggggac ggaaacaact ngnagaagca 300  
gganccgccc agggncattt cctcaccatg cttaatcttg cnetcacttg cngggcacca 360  
ttaaacttgg tgcaaaaggc gcaattggtg nanggaacce cacaccttcc ttaaaaagca 420

gggc

424

&lt;210&gt; 3

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Where n is unknown for all occurrences

&lt;400&gt; 3

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c                                                                421

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&lt;210&gt; 4

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Where n is unknown for all occurrences

&lt;400&gt; 4

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atggacacng tgaaatgtag ccgctnatca nttaaaaact tcattttgaa ggccctttnc 240
cctccnaata aaaatnccng gccctactgg gttaagcaac attgcatntc taaagaaacc 300
acatgcanac nagttaaac tgtgnactgg tcangcaaac cnanntggaa nanaagggnn 360
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tgt                                                                423

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&lt;210&gt; 5

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Where n is unknown for all occurrences

&lt;400&gt; 5

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gcaacctggc acttcaagga agtgcaccga tnacgtctag accggccaac acagatctag 180
aggtggccaa ctgatcactg taggagctga ctggcaanan tcaaccgggc cccaaccnag 240

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agtgaccaan acnaccattn aggatcacco acaggcactc ctcttcctag ggccaaccna 300  
 ccaaacggct ggccaatggg ggggtttaat atttggttna aaaattgatt ttaaa 355

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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 tgtacttaac cccacagccn tctgggatna gccgcttttc agccaccatn tcttcaaatt 180  
 catcagcatt aaacttggtg aancceccact tctttaagat ntgnatcttc tggcggccag 240  
 naaacttgaa cttggccctg cgcagggcct caatcacatg ctcttggttc tgcagcttgg 300  
 tgcgnaagga cntaatnact tggccnatgt gaaccctggc cacantgccc tggggctttc 360  
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 ttt 423

<210> 7  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 7  
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 nanttggtgt acaataatgt tccaatttng gacnttcggc atctaccctg gtacacctgg 180  
 gtaaatatca ggcagctttt gatgggggcta ggaaagctaa cagtactcga acatgggaaa 240  
 gaggtctgct tcgcnngtgt anatgggaaa naattccgctc ttgctcngat ttgtggactt 300  
 catattgttg tacatgcaga tgaatnngaa gaacttgctc actactatca ggatcggtggc 360  
 ttttttnaaa agctnatcac catgttgga gcggcactng gacttgagcg 410

<210> 8  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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 atctatatct ntngctcaca tatgcatggg agataccagt aaaaaataag tnaatctcca 180  
 taatatgttt taaaactcan anaaatcnga gagactnaaa gaaaacgctn atcannatga 240

ttgtngataa tcttgaanaa tnacnaaaac atat

274

<210> 9  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 9  
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gtttttcacc attaatgta ataatggctn tatgtatttt tatnnatggg cttnatggag 180  
ttaaaaaagt tttcctctnt ccttngttat ctaanagttt tnatcaaaaa tgggtataat 240  
atttngttca gtacttttnc ctgcacctat agatatgatn ctgttatttt ttcttcttng 300  
cctnnanata tgatggatna ca 322

<210> 10  
<211> 425  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 10  
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ttctatattt acaatatctc tggaattcca ctttcccttc taatttgact aatatttctg 180  
cttctcaggc agcagcgctt tctggcaacc ataagaacca acntgnggac taggtcgggtg 240  
ggccaaggat caggaaacag aanaatggaa gnagccccc n tgacnctatt aancntnaa 300  
actatctnaa ctgctagttt tcaggcttta aatcatgtaa natacgtgtc cttnttgctg 360  
caaccggaag catcctagat ggtacactct ctccagggtgc caggaaaaga tcccaaattng 420  
caggn 425

<210> 11  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 11  
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ggttaaggaa accccaacat gcatgcactg ccttggtaac cagggnattc cccnccggct 180  
ntggggaaat tagcccaang ctnagctttc attatcactn tccccagggt tntgcttttc 240  
aaaaaaattt nccgcenagc cnaatccggg cncctcccatc tggcgcaant tggtcacttg 300  
gtcccccnat tctttaangg cttncacctn ctcattcggg tnatgtgtct caattaaatc 360

ccacngatgg gggtcatttt tntcnnttag ccagtttggt nagttccgtt attganaaaa 420  
ccan 424

<210> 12  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 12  
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ctaataattc cnaaactggg atcataaata agtctcggtc tnatgcttgc tttctctcta 180  
tcacactgtg ttngttgctt tttnacatgc tttgtaattt ttggctgaaa gctgaaaaat 240  
nacatacctg gttntacaac ctgagggtan cagccttnta gtgtgaggtt ttatatntta 300  
ctggctaaga gctnggcnc ttttnantant tgttgtnant ntatatgcca naggctttna 360  
tttccnctng tgccttgct tnatgacccc attnttttag gggttcccta naaactctat 420  
ctnaat 426

<210> 13  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 13  
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aatcaaggct cactgcaacc tctgccttat aaagcatttn ctaaagggtac aagctaaatt 120  
ttaaaaatat ctctncacaa ctaatgtata acaaaaatta gttctacctc ataaacnct 180  
ggctcagccc tcgnaacaca tttccctggt ctcaactgat gaacactcca naaacagaac 240  
anatntaagc ttttccaggc ccagaaaagc tcgcgagggg atttgctntg tgtgtgacac 300  
acttgccacc ctgtggcagc acagctccac acntgctttg ggccgcattt gcaagttctc 360  
tgtaancccc ctgnaagacc cggatcagct gggtngaaat tgcangcnct cttttggca 419

<210> 14  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 14  
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ccctcaggaa agcaaagagc ttgaaaaatg tctctctgtc atggaagccn aagtgaaggc 120  
tcanactgct ccaacaagga tntgcanagg gagatcgcta accttgagga ggccctggcc 180  
actgcagtcn tcccccantg gcagaaggat gaattgcggg agactctcan atcccttang 240

gaaggctcgtg gatnacttgg accgagcctc nnaagccaat ntccagaaca agtggttgag 300  
 aagacaaagc anttcatcga cgccaacccc naccggcctc tnttctcctg ganattgana 360  
 gcggcgcccc cgcccagggc ctttaataanc cntgaagctn 400

<210> 15  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 15  
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 tgatgaagca attgtgaagc tatcggatgg ctttnatgga gcagatctga gaaatgtttg 180  
 tactgaagca ggtatgttcg caattcgtgc tgatcatgat tttgtagtac aggaagactt 240  
 catgaaagcn gtcagaanag tggctnattc tnaaagctgg agtctaaatt ggacnacnac 300  
 cnttgtatgtt actgttggan ttttgatgct gcatgacaga ttttgcttan tgtaaaaatn 360  
 aagttcaaga aaattatggt agttttggcc attat 395

<210> 16  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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 ttcacctctt gggcttgagt acctgggtct cgtgccctga ggcgacnctn agccctgcag 180  
 ctncatgta cgtgctgcca atngtcttga tcttctccac gccnctnaac ttgggcttca 240  
 gtaggagctg caggcnagaa ngaagcgggt aacagcgcca ctccatagcc gcagccnggc 300  
 tgcccctgct tctcaaggag ggggtgtggg ttcctccacc atcgccgccc ttgcaaacac 360  
 ntctcanggc ttcctnccg gctnancgca ngacttaagc atgg 404

<210> 17  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 17  
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 acctcatacc tnaccgcttc cctttnaatg gccttcggtg tgtgcgaca tgggcacgtg 180  
 cggggagaa catacttatt cccctnttcc cggcctacca cctctnctcc ccttctctt 240

ctctncaatt actntctecn ctgctttntt ctnanacta ctgctngtnt cnanagccng 300  
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<210> 18  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 18  
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 agccagtttt tcatttgctt aaatnactca ccaagtaact aattaagttt tctttactct 180  
 taatgttnag tagtgagatt ctggtgaagg tgatattaaa aaccattcta tattaattaa 240  
 cattcatgtt gttttttaaa agcttatttg aaatcnaatt atgattattt ttcataccag 300  
 tcgatnttat gtangt 316

<210> 19  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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 tactattgaa catgctnngg ctcggtcacg aggtggaaga ggtagaggac gataactctga 120  
 ccgttttagt agtcgcagac ctcgaaatga tagacgaaat gctccacctg taagaacaga 180  
 anacgtctt atagttgaga atttatcctc aagagtcagc tggcagggtt gttganatac 240  
 agttttgagt tnttttgatg tggcttttta aaaaagttat gggttactna tgttatattg 300  
 ttttattaaa agtagttttn aattaatgga tntgatggaa ttggtgtttt 350

<210> 20  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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 ncaattntga cctnnggcga anaatggcng nngtgatca gtntccnctc tgnngnctct 180  
 tagnatctga ccactangac cncctatcct ctcaaaccct gtannengcc ctaatttggtg 240  
 ccaatttagt catgntanag cntcctggcc cagatggcgt ccatatcctg gtnccggcttc 300  
 cgcacctacc angncatccn catctactag agcttatccg ctncntgngg cgcaccggnt 360  
 cccnct 367

<210> 21  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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 tcctttatct tctgaagaaa gtacacacct tggtnatgat atctttgaat tgcccttctt 180  
 tccaggcatc agttggatga ttcacatggt taattatggc attatcatat tcttcatact 240  
 tgtcatacga aaacaccagt tctgcccna gatgagcttg ttctgcagct cttagcacct 300  
 tgggaatatt cactctagac cagaaacagc tcccgggtgct ccctcatttt ctgaggctta 360  
 aatttn 366

<210> 22  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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 caatatattt gtnaaaactg agatacangt ttgacctata tctgcatttt gataattaaa 180  
 cnaatnnatt ctatttnaat gttgtttcag agtcacagca cagactgaaa ctttttttga 240  
 atacctnaat atcacacttn tncttnnaat gatgttgaag acaatgatga catgccttna 300  
 gcatataatg tcgac 315

<210> 23  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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 ttaaaaattc ccaagagaaa naaactccag gccctgattg tttcactggg gaattttacc 120  
 aaatgttnca nnaaganatg acgctgattc tgnaaatct ttttcagaag atagaggaga 180  
 acaccaccg nttcatttta tg 202

<210> 24  
 <211> 365  
 <212> DNA



<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 24

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ctttctgcca tacaaccgct accacatctg gctcctagaa cctgttttgc tttcatagat 120
ggatctcgga accnagtgtt nacttcattt ttaaacccca ttttagcaga tngtttgctn 180
tggctctgtct gtattcacca tggggcctgt acacaccacg tgtgggtata gtcaaacaca 240
gtgccctcca ttgtggccac atgggagacc catnaccna tactgcatcc tgggctgatn 300
acggcactgc atctnaccgc acntgggatt gaaccggggg tgggcagcng aattgaacag 360
gatca

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<210> 25

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 25

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gtttcctgct tcaacagtgc ttggacggaa cccggcgctc gttccccacc ccggccggcc 60
gcccatagcc agccctccgt cacctcttca ccgcaccctc ggactgcccc aaggcccccg 120
ccgcenctec ngegcenecg agccaccgcc gccnccncca cctctccttn gtccgcctnt 180
nacaacgcgt ccacctcgca ngttcgccng aactaccacc nggactcata ngccgcctc 240
aaccgcccga tcaacctgga gctctncccc ccgacnttaa cctttccntg tcttacttac 300
nttaaccgcc gnttattttg ctnaaaaaga acttttcccc aatactttct ttcaccnnt 359

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<210> 26

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 26

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ttataatttc caataggata ctcatcagtt ttgaataana gacatattct agagaaacca 120
ggtttctggt ttcagatttg aactctcaag agcttggaag ttatcactcc catcctcacg 180
acnacnaana aatctnaacn aacngaana caatgacttt tcttagatct gtcaaagaac 240
ttcagccacg aggaaaacta tcnccctnaa tactggggac tggaaagaga gggtagacag 300
aatcacagt aatcatagcc caagatcagc ttgcccgag ctnaagctng tacgatnatt 360
acttacaggg accacttcac agtnngtnga tnaantgcn 400

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<210> 27

<211> 366

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Where n is unknown for all occurrences

&lt;400&gt; 27

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gaattttctta gaaactgaag tttactctgt tccaagatat atcttcactg tcttaaatcaa 60
agggcgctng aatcatagca aatattctca tctttcaact aactttaagt agtnttcctg 120
gaatttttaca ttttccagaa aacactcctt tctgtatctg tgaaagaaag tgtgcctcag 180
gctgtagact gggctgcact ggacacctgc gggggactct ggctnagtgn ggacatggtc 240
agtattgatt ttcctcanac tcagcctgtg tagctntgaa agcatggaac agattacact 300
gcagttnacg tcatcccaca catcttggac tccnagaccc ggggagggtca catagtccgt 360
tatgna

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&lt;210&gt; 28

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Where n is unknown for all occurrences

&lt;400&gt; 28

AI nt

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agtgggagcc tcctccttcc ccactcagtt ctttacatcc ccgaggcgca gctgggcnaa 60
ggaagtggcc agctgcagcg cctcctgcag gcagccaacg ttcttgctg tggcctgtgc 120
agacacatcc ttgccaccac ctttaccgtc catcangcct gacacctgct gcaccactc 180
gctngctttt aagccccgat nggctgcatt ctgggggact tgacacaggc ncgtgatctt 240
gccagcctca ttgtccaccg tgaagagcat ggcaaaaagt ctgaggggag tgcattctga 300
anagcttcaa ggcttcattc agggccttng ctnaggcgcc nctctccatc tccnggaata 360
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&lt;210&gt; 29

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 29

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cggacgggca tgaccggtcc ggtcagctgg gtggccagtt tcagttcttc agcagaactg 60
tctcccttct tgggggccga gggcttctg ggggaagagga tgagtttgga gcggtactcc 120
ttcagccgct gcacgttggc ctgcaggagc tccgtggact tgttccgcct cctcg 175

```

&lt;210&gt; 30

&lt;211&gt; 360

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 30

```

ttgtatttct tatgatctct gatgggttct tctcgaaaat gccaaagtga agactttgtg 60
gcatgtccca gattttaaact cagctgaggc tccctttgtt ttcagttcca tgtaacaatc 120
tggaaggaaa cttcacggac aggaagactg ctggagaaga gaagcgtgtt agcccatttg 180
aggtctgggg aatcatgtaa agggtaacca gacctcactt ttagttattt acatcaatga 240
gttctttcag ggaaccaaac ccagaattcg gtgcaaaagc caaacatctt ggtgggattt 300

```

gataaatgcc ttgggacctg gagtgctggg cttgtgcaca ggaagagcac cagccgctga 360

<210> 31  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 31  
 acgctctaag cctgtccacg agctcaatag ggaagcctgt gatgactaca gactttgcga 60  
 acgctacgcc atggtttatg gatacaatgc tgcctataa cgctacttca ggaagcgccg 120  
 agggaccnaa tgagactgag ggaagaaaaa aaatctcttt ttttctggag gctggcacct 180  
 gattttgtat cccctgttnn cagcattncn gaaatacata ggcttatata caatgcttct 240  
 ttctgtata ttctcttgct tggtgcacc ccttnttccc gccccagat tgataagtaa 300  
 tgaaagtga ctgcagtnag ggtcaangga gactcancat atgtgattgt tccntnataa 360  
 acttctggtg tgatactttc 380

<210> 32  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 32  
 gtgtatggga gcccctgact cctcacgtgc ctgatctgtg cccttgggtcc caggctcaggc 60  
 ccacccccctg cacctccacc tgccccagcc cctgcctctg cccaagtgg ggccagctgc 120  
 cctcacttct ggggtggatg atgtgacctt cctnggggga ctgcggaagg gacaagggtt 180  
 ccctgaagtc ttacggtcca acatcaggac caagtcccat ggacatgctg acagggtccc 240  
 caggggagac cgtntcanta gggatgtgtg cctggctgtg tacgtgggtg tgcagtgcac 300  
 gtganaagca cgtggcggct tctgggggcc atgtttgggg aaggaagtgt gccnccacc 360  
 cttggagaac ctcaagtccc gtagccccct gccctggcac agcngcatnc acttcaaggg 420  
 cacccttttg ggggtggggg 440

<210> 33  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 33  
 tattttaaca atgtttatta ttcatattat cctctataga accaccaccc acaccgagga 60  
 gattatttgg agtgggtccc aacctagggc ctggactctg aaatctaact cccacttcc 120  
 ctcatattgt gacttaggtg ggggcatggt tcagtcagaa ctgggtgtct ctattggatc 180  
 gtgcagaagg aggacctagg cacacacata tgggtggccac acccaggagg gttgattggc 240  
 aggctggaag acaaaagtct cccaataaag gcacttttac ctcaaagang ggggtgggagt 300

tggtctgctg ggaatgttgt tgttgggggtg gggaagantt atttc

345

<210> 34  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 34  
 tgtaattttt ttattggaaa acaaataac aacttgggaat ggattttgag gcaaattgtg 60  
 ccataagcag attttaagt gctaaacaaa gtttaaaaaag caagtaacaa taaaagaaaa 120  
 tgtttctggt acaggaccag cagtacaaaa aaatagtgtg cgagtacctg gataatacac 180  
 ccgttttgca atagtgcac ttttaagtac atattgttga ctgtccatag tccacgcaga 240  
 gttacaactc cacacttcaa caacaacatg ctgacagttc ctaaagaaaa ctactttaaa 300  
 aaaggcataa cccagatgtt ccttcatttg accaactcca tctnagttta gatgtgcaga 360  
 agggcttana ttttcccaga gtaagccnca tgcaacatgt tacttgatca attttctaaa 420  
 ataaggtttt aggacaatga 440

<210> 35  
 <211> 540  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 35  
 atagatggaa tttattaagc ttttcacatg tgatagcaca tagttttaat tgcattccaaa 60  
 gtactaacia aaactctagc aatcaagaat ggcagcatgt tattttataa caatcaacac 120  
 ctgtggcttt taaaatttgg ttttcataag ataatttata ctgaagtaaa tctagccatg 180  
 cttttaaaaa atgcttttagg tcaactccaag cttggcagtt aacatttggc ataaacaata 240  
 ataaaaaat cacaatttaa taaataacia atacaacatt gtaggccata atcatataca 300  
 gtataaggga aaagggtgta gtgttganta agcagttatt agaatagaat accttggcct 360  
 ctatgcaaat atgtctagac actttgattc actcagccct gacattcagt tttcaaagtt 420  
 aggaaacagg ttctacagta tcattttaca gtttccaaca cattgaaaac aagtagaaaa 480  
 tgatganttg atttttatta atgcattaca tcttcaagan ttatcaccaa cccctcaggt 540

<210> 36  
 <211> 555  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 36  
 cttcgtgtgc ttgaaaattg gagcctgccc ctgcggcccat aagccottgt tgggaactga 60  
 gaagtgtata tggggcccaa nctactggtg ccagaacaca gagacagcag cccantgcaa 120  
 tgctgtcgag cattgcaaac gccatgtgtg gaactaggag gaggaatatt ccatcttggc 180

```

agaaaccaca gcattggttt ttttctactt gtgtgtcttg gggaatgaac gcacagatct 240
gtttgacttt gttataaaaa tagggctccc ccacctcccc cntttctgtg tncctttattg 300
tagcantgct gtctgcaagg gagccccctan cccctggcag acanancctgc ttcagtggccc 360
ctttcctctc tgctaaatgg atgttgatgc actggaggtc ttttancctg cccttgcattg 420
gcnctgctg gaggaagana aaactctgct ggcattgaccc acagtttctt gaactggangc 480
cntcaaccct cttgggttgaa gccttgttct gacctgaca tntgcttggg cncctgggtng 540
gnctgggctt cttaa                                     555

```

<210> 37  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

```

<400> 37
ccaccgacta taagaactat gccctcgtgt attcctgtac ctgcatcatc caactttttc 60
acgtggattt tgcttggtatc ttggcaagaa accctaactc cctccagaa acagtggact 120
ctctaaaaaa tatcctgact tctaataaca ttgatntcaa gaaaatgacg gtcacagacc 180
aggtgaactg ccccnagctc tcgtaaccag gttctacagg gaggtgcac ccaactccatg 240
ttnccttctg ttcgttttcc cctacccccc ccccgccat                                     280

```

AI  
 wt  
 <210> 38  
 <211> 303  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

```

<400> 38
catcgagctg gttgtcttct tgctgcctt gtgtcgtaaa atgggggtcc cttactgcat 60
tatcaaggga aaggcaagac tgggacgtct agtccacagg aagacctgca ccactgtcgc 120
cttcacacag gtgaactcgg aagacaaagg cgctttggct nagctggtgn aagctatcag 180
gaccaattac aatgaatgat acgatnagat ccgccttcac tggggtagca atgtcctggg 240
tcctaagtct gtggctcgta tcgcnagct cgaanaggcn aangctaaag aacttgccac 300
taa                                     303

```

<210> 39  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

```

<400> 39
gactcagcgg ctggtgctct tcctgtgcac aagccagca ctccagggtcc caaggcattt 60
atcaaatccc accaagatnt ttggcttttg caccgaattc tgggtttggg tccctnaaag 120
aactcattga tgtaaatnac tnaaagttag gtctgggtac cctttacatg attccccaga 180

```

cctcanatgg gctaacacgc ttctcttctc cagcagtctt cctntccgtg aagttacctt 240  
ccagattggtt acatggaact gaanacaaag ggagcctcag ctngatttaa atctggagca 300

<210> 40  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 40  
cccaacacaa tggctgagga caaatcagtt ctctgtgacc agacatgaga aggttgccaa 60  
tgggctgttg ggcgaccaag gccttcccgg agtcttcgtc ctctatgagc tctcgcccat 120  
gatggtgaag ctgacggaga agcacaggtc cttcaccacac ttctgacag gtgtgtgcgc 180  
catcattggg ggcattgttca cagtggctgg actcatcgat tcgctcatct accactcagc 240  
acgagccatc cagaaaaaaa ttgatctngg gaagacnacg tagtcaccct cggtncttcc 300  
tctgtctcct ctttctcc 318

<210> 41  
<211> 302  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 41  
acttagatgg ggtccgttca ggggatacca gcgttcacat ttttcctttt aagaaaggg 60  
cttggcctga atgttcccca tccggacaca ggctgcatgt ctctgtnagt gtcaaagctg 120  
ccatnaccat ctcggttaacc tactcttact ccacaatgtc tatnttcaact gcagggctct 180  
ataatnagtc cataatgtaa atgcctggcc caagaacntat ggctgagtt tatccnaggc 240  
ccaaacnatt accagacatt cctcttanat tgaaaacgga tntctttccc ttggcaaaga 300  
tc 302

<210> 42  
<211> 299  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Where n is unknown for all occurrences

<400> 42  
cttaataagt ttaaggccaa ggcccgttcc attcttctag caactgacgt tgccagccga 60  
ggtttgagca tacctcatgt aaatgtgggt gtcaactttg acattcctac ccattccaag 120  
gattacatcc atcgagtagg tcgaacagct agagctgggc gctccggaaa ggctattact 180  
tttgtcacac agtatgatgt ggaactcttc cagcgcatag aacacttnat tgggaagaaa 240  
ctaccagggt ttccaacaca ggatgatgag gttatgatgc tnacggaacg cgtcgcctna 299

<210> 43

<211> 305  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 43  
 ccaacaatgt caagacagcc gtctgtgaca tcccacctcg tggcctcaan atggcagtca 60  
 ccttcattgg caatagcaca gccntccggg agctcttcaa gcgcatctcg gagcagttca 120  
 ctgccatgtt ccgccggaag gccttcctcc actggtacac aggcgagggc atggacaaga 180  
 tggagttcac cgaggctgag agcaacatga acgacctcgt ctctnagtat cagcagtacc 240  
 gggatgccac cgcagaaana ggaggaggat ttcggttagg aggccgaaga aggaggcctg 300  
 aggca 305

<210> 44  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 44  
 tttctgtggg ggaaacctga tctcgacnaa attagagaat tttgtcagcg gtatttcggc 60  
 tggaacagaa cgaaaaacnga tnaatctctg tttcctgtat taaagcaact cgatnccag 120  
 cagacacagc tccnaattga ttccttcttt ngattagcac aacagggaga aagaanatgc 180  
 ttaacgtatt aagagccnga gactaaacag agctttgaca tgtatgctta ggaaagagaa 240  
 agaagcagcn gccgcgnaa ttngaagcng tttctgttgc cntgganaaa gaatttgagc 300  
 ttctttatta ggccaacgaa aaaccccgaa ananaggcnt tacnatacct tngaaaantc 360  
 tccngccnna aaaagaaaga agctttcnga ttcttaacc 399

<210> 45  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 45  
 gcgggagcag aagctaaagc caaagcccaa gagagtggca gtgccagcac tggtgccagt 60  
 accagtacca ataacagtgc cagtgccagt gccagcacca gtggtggcct cagtgtctgt 120  
 gccagcctga ccgccactct cacatttggg ctcttcgctg gccttgggtg agctgggtgc 180  
 agcaccagtg gcagctctgg tgcctgtggt ttctcctaca agtgagattt taggtatctg 240  
 ccttggtttc agtggggaca tctggggcctt anggggcngg gataaggagc tggatgattc 300  
 taggaaggcc cangttggag aangatgtgn anagtgtgcc aagacactgc ttttggcatt 360  
 ttattccttt ctgtttgctg gangtcaatt gacccttnna ntttctctta cttgtgtttt 420  
 canatatngt taatcctgcc 440

<210> 46

<211> 472  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 46  
 gctctgtaat ttcacatttt aaaccttccc ttgacctcac attcctcttc ggccacctct 60  
 gtttctctgt tctcttcac agcaaaaact gttcaaaaga gttgttgatt actttcattt 120  
 ccactttctc acccccatte tcccctcaat taactctcct tcatcccat gatgccatta 180  
 tgtggctntt attanagtca ccaaccttat tctccaaaac anaagcaaca aggactttga 240  
 cttctcagca gcactcagct ctggtncttg aaacaccccc gttacttgct attcctccta 300  
 cctcataaca atctccttcc cagcctctac tgetgccttc tctgagttct tcccagggtc 360  
 ctaggctcag atgtagtgtg gctcaaccct gctacacaaa gnaatctcct gaaagcctgt 420  
 aaaaatgtcc atnctgtgcc tgtgagtgat ctncangna naataacaaa tt 472

<210> 47  
 <211> 550  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

AIK  
 <400> 47  
 ccttcctccg cctggccatc cccagcatgc tcatgctgtg catggagtgg tgggcctatg 60  
 aggtcgggag cttcctcagt ggtctgtatg aggatggatg acggggactg gtgggaacct 120  
 gggggccctg tctgggtgca aggcgacagc tgtctttctt caccaggcat cctcggcatg 180  
 gtggagctgg gcgctcagtc catcgtgtat gaactggcca tcattgtgta catggtccct 240  
 gcaggcttca gtgtggctgc cagtgtccgg gtangaaacg ctctgggtgc tggagacatg 300  
 gaagcaggca cggaagtcc ctaccgtttc cctgctgatt acagtgcctt ttgctgtanc 360  
 cttcagtgtc ctgctgttaa gctgtaagga tcacntgggg tacattttta ctaccgaccg 420  
 agaacatcat taatctggtg gtcaggtgg ttccaattta tgctgtttcc cacctctttg 480  
 aagctcttgc tgctcaggtc cagccaatt ttgaaaagta aacaacgtgc ctcgagtggtg 540  
 gaattctgct 550

<210> 48  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 48  
 agaaggacat aaacaagctg aacctgcccc agacgtgtga tatcagcttc tcagatccag 60  
 acaacctcct caacttcaag ctggctatct gtcctgatna gggcttctac nagagtggga 120  
 agtttgtgtt cagttttaag gtgggcccagg gttaccgca tgatcccccc aaggtgaagt 180  
 gtgagacnat ggtctatcac cccnacattg acct 214



<210> 49  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 49  
 atctgcctaa aattttattca aataatgaaa atnaatctgt tttaagaaat tcagtctttt 60  
 agtttttagg acaactatgc acaaattgtac gatggagaaat tcttttttga tnaactctag 120  
 gtngaggaac ttaatccaac cggagctntt gtgaagggtca gaanacagga gaggggaatct 180  
 tggcaaggaa tggagacnga gtttgcaaat tgcagctaga gtnaatngtt ntaaatggga 240  
 ctgctnttgt gtctcccang gaaagtt 267

<210> 50  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 50  
 gactgggtca aagctgcatg aaaccaggcc ctggcagcaa cctgggaatg gctggaggtg 60  
 ggagagaacc tgacttctct ttcctctctc ctctctcaac attactggaa ctctgtcctg 120  
 ttgggatctt ctgagcttgt ttcctgctg ggtgggacag aggacaaagg agaagggagg 180  
 gtctagaaga ggcagccctt ctttgtctc tggggtnaat gagcttgacc tanagtagat 240  
 ggagagacca anagcctctg atttttaatt tccataanat gttcnaagta tatntntacc 300

<210> 51  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 51  
 gggtaaaatc ctgcagcacc cactctggaa aatactgctc ttaattttcc tgaagggtggc 60  
 cccctatttc tagttggtcc aggattaggg atgtggggta tagggcattt aaatcctctc 120  
 aagegctctc caagcaccac cggcctgggg gtnagtttct catcccgcta ctgctgctgg 180  
 gatcaggtnn aataaatgga actcttctctg tctggcctcc aaagcagcct aaaaactgag 240  
 gggctctggt agagggggacc tccaccctnn ggaagtccga ggggctnggg aagggtttct 300

<210> 52  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 52

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aaaatcaact tcntgcatta atanacanat tctanancag gaagtgaana taattttctg 60
cacctatcaa ggaacnnact tgattgcctc tattnaacan atatatcgag ttncatatact 120
tacctgaata ccnccgcata actctcaacc nanatnctc nccatgacac tcntttcttna 180
atgctantcc cgaattcttc atttatatcng tgatgttcgn cctgtnata tatcagcaag 240
gtatgtncn taactgccga nncaang 267

```

<210> 53

<211> 401

<212> DNA

<213> Homo sapiens

<400> 53

```

agsccttagc atcatgtaga agcaaactgc acctatggct gagataggtg caatgaccta 60
caagatcttg tgctttctag ctgtccagga aaagccatct tcagtcttgc tgacagtcaa 120
agagcaagtg aaaccatttc cagcctaaac tacataaaag cagccgaacc aatgattaaa 180
gacctctaag gctccataat catcattaaa tatgccccaa ctcattgtga ctttttattt 240
tatatacagg attaaaatca acattaaatc atcttattta catggccatc ggtgctgaaa 300
ttgagcattt taaatagtac agtaggctgg tatacattag gaaatggact gcactggagg 360
caaatagaaa actaaagaaa ttagataggc tggaaatgct t 401

```

<210> 54

<211> 401

<212> DNA

<213> Homo sapiens

<400> 54

```

cccaacacaa tggataaaaa cacttatagt aaatggggac attcactata atgatctaag 60
aagctacaga ttgtcatagt tgctttcttg ctttacaaaa ttgtccaga tctggaatgc 120
cagtttgacc tttgtcttct ataatatctt ctttttttcc cctctttgaa tctctgtata 180
tttgattctt aactaaaatt gttctcttaa atattctgaa tcctggtaat taaaagtttg 240
ggtgtatttt ctttacctcc aaggaaagaa ctactagcta caaaaaatat tttggaataa 300
gcattgtttt ggtataaggt acatattttg gttgaagaca ccagactgaa gtaaacagct 360
gtgcatccaa tttattatag ttttgtaagt aacaatatgt a 401

```

<210> 55

<211> 933

<212> DNA

<213> Homo sapiens

<400> 55

```

tttactgctt ggcaaagtac cctgagcatc agcagagatg ccgagatgaa atcagggaac 60
tcctagggga tgggtcttct attacctggg aacacctgag ccagatgcct tacaccacga 120
tgtgcatcaa ggaatgcctc cgctctacg caccggtagt aaactatccc gggtactcga 180
caaaccatc acctttccag atggacgctc cttacctgca ggaataactg tgtttatcaa 240
tatttggggt cttcaccaca accctattt ctgggaagac cctcaggtct ttaaccctt 300
gagattctcc agggaaaatt ctgaaaaat acatccctat gccttcatac cattctcagc 360
tggtattaagg aactgcattg ggcagcattt tgccataatt gagtgtaaag tggcagtggc 420
attaactctg ctccgcttca agctggctcc agaccactca aggccacca gctgtcgtca 480

```

```

agttgcctca agtccaagaa tggaatccat gtgtttgcaa aaaaagtttg ctaattttta 540
gtccttttcg tataagaatt aakgagacaa ttttcctacc aaaggaagaa caaaaggata 600
aatataatac aaaatatatg tatatggttg tttgacaaat tatataactt aggatacttc 660
tgactggttt tgacatccat taacagtaat ttttaatttct ttgctgtatc tggtgaaacc 720
cacaaaaaca cctgaaaaaa ctcaagctga gttccaatgc gaagggaaat gattggtttg 780
ggtaactagt ggtagagtgg ctttcaagca tagtttgatc aaaactccac tcagtatctg 840
cattactttt atctctgcaa atatctgcat gatagcttta ttctcagtta tctttcccca 900
taataaaaaa tatctgcaa aaaaaaaaaa aaa 933

```

```

<210> 56
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<400> 56
ggctttgaag cttttttgtc tgtgctccct gatcttcagg tcaccaccat gaagttctta 60
gcagtcctgg tactcttggg agtttccatc tttctggtct ctgccagaa tccgacaaca 120
gctgctccag ctgacacgta tccagctact ggtcctgctg atgatgaagc cctgatgct 180
gaaaccactg ctgctgcaac cactgcgacc actgctgctc ctaccactgc aaccaccgct 240
gcttctacca ctgctogtaa agacattcca gttttaccca aatgggttgg ggatctcccg 300
aatggtagag tgtgtccctg agatggaatc agcttgagtc ttctgcaatt ggtcacaact 360
attcatgctt cctgtgattt catccaacta cttaccttgc ctacgatatc ccctttatct 420
ctaatacagtt tattttcttt caaataaaaa ataactatga gcaacaaaaa aaaaaaaaaa 480

```

4h

```

<210> 57
<211> 798
<212> DNA
<213> Homo sapiens

```

```

<400> 57
agcctacctg gaaagccaac cagtcctcat aatggacaag atccaccagc tcctcctgtg 60
gactaacttt gtgatatggg aagtgaatat agttaacacc ttgcacgacc aaacgaacga 120
agatgaccag agtactctta accccttaga actgttttct cttttgtatc tgcaatatgg 180
gatggatttg ttttcatgag cttctagaaa tttcacttgc aagtttattt ttgcttcctg 240
tgttactgcc attcctatatt acagtatatt tgagtgaatg attatatttt taaaaagtta 300
catggggctt ttttggttgt cctaaactta caaacattcc actcattctg tttgtaactg 360
tgattataat ttttgtgata atttctggcc tgattgaagg aaatttgaga ggtctgcatt 420
tatatatatt aaatagattt gataggtttt taaattgctt tttttcataa ggtatttata 480
aagttatttg ggttgtctct ggatttgttg aaagaaaatt agaaccccgc tgtatttaca 540
tttaccttgg tagtttatatt gtggatggca gttttctgta gttttgggga ctgtggtagc 600
tcttgatttg ttttgcaaat tacagctgaa atctgtgtca tggattaaac tggcttatgt 660
ggctagaata ggaagagaga aaaaatgaaa tggttgttta ctaattttat actcccatta 720
aaaattttta atgttaagaa aaccttaaat aaacatgatt gatcaatatg gaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa 798

```

```

<210> 58
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<400> 58

```

```

ggggcagctc ctgaccctcc acagccacct ggtcagccac cagctggggc aacgaggggtg 60
gaggtcccac tgagcctctc gcctgcccc gccactcgtc tgggtgcttgt tgatccaagt 120
ccccgcctg gtccccaca aggactccca tccaggcccc ctctgccctg ccccttgta 180
tggaccatgg tcgtgaggaa gggctcatgc cccttattta tgggaacat ttcattctaa 240
cagaataaac cgagaaggaa accagaaaaa aaaaaaaaaa 280

```

```

<210> 59
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 59
aggcgggagc agaagctaaa gccaaagccc aagagagtgg cagtgccagc actggtgcca 60
gtaccagtac caataacagt gccagtgccca gtgccagcac cagtgggtggc ttcagtgtctg 120
gtgccagcct gaccgccact ctcacatttg ggctcttcgc tggccttggg ggagctgggtg 180
ccagcaccag tggcagctct ggtgcctgtg gtttctccta caagtgagat tttagatatt 240
gttaatcctg ccagtctttc tcttcaagcc aggggtgcac ctcagaaacc tactcaacac 300
agcactctag gcagccacta tcaatcaatt gaagttgaca ctctgcatta aatctatttg 360
ccattaaaaa aaaaaaaaaa aa 382

```

```

<210> 60
<211> 602
<212> DNA
<213> Homo sapiens

```

A1  
nt

```

<400> 60
tgaagagccg cgcggtggag ctgctgccc atgggactgc caaccttgcc aagctgcagc 60
ttgtgggtga gaatagtgcc cagcgggtca tccacttggc gggtcagtgg gagaagcacc 120
gggtcccac ctcgtgagta ccgccactcc gaaagctgca ggattgcaga gagctggaat 180
cttctcgacg gctggcagag atccaagaac tgcaccagag tgtccgggcy gctgctgaag 240
aggccccgag gaaggaggag gtctataagc agctgatgtc agagctggag actctgcccc 300
gagatgtgtc cggctgggcc tacaccagc gcctcttggg gatcgtgggc aacatccgga 360
agcagaagga agagatcacc aagatcttgt ctgatacgaa ggagcttcag aaggaaatca 420
actccctatc tgggaagctg gaccggacgt ttgcgggtgac tgatgagctt gtgttcaagg 480
atgccaaaga ggacgatgct gttcgggaagg cctataagta tctagctgct ctgcacgaga 540
actgcagcca gctcatccag accatcgagg acacaggcac catcatgcgg gaggttcgag 600
ac 602

```

```

<210> 61
<211> 1368
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Where n is unknown for all occurrences

```

```

<400> 61
ccagtgagcg cgcgtaatac gactcactat agggcggaatt gggtagccgg cccccctcg 60
agcggccgcc cttttttttt tttttttatt gatcagaatt caggctttat tattgagcaa 120
tgaaaacagc taaaacttaa ttccaagcat gtgtagttaa agtttgcaaa gtgggatatt 180
gttcacaaaa cacattcaat gtttaaacac tattttattg aagaacaaaa tatatttaaa 240

```

```

attgtttgct tctaaaaagc ccatttcct ccaagtctaa actttgtaat ttgatattaa 300
gcaatgaagt tattttgtac aatctagtta aacaagcaga atagcactag gcagaataaa 360
aaattgcaca gacgtatgca attttccaag atagcattct ttaaattcag ttttcagctt 420
ccaaagattg gttgcccata atagacttaa acatataatg atggctaaaa aaaataagta 480
tacgaaaatg taaaaaagga aatgtaagtc cactctcaat ctcataaaaag gtgagagtaa 540
ggatgctaaa gcaaaataaa ttaggttct ttttttctgt ttccgtttat catgcaatct 600
gcttctttga tatgccttag ggttacccat ttaagttaga ggttgtaatg caatgggtggg 660
aatgaaaatt gatcaaatat acaccttgtc atttcatttc aaattgcggg ctggaaactt 720
ccaaaaaaag ggtaggcag aagaaaaaaa aaatcmaatc agaacctctt caggggtttg 780
kgktctgata tggcagacar gatacaagtc ccaccaggag atggagcaat tcaaaataag 840
ggtaatgggc tgacaaggta ttattgccag catgggacag aatgagcaac aggctgaaaa 900
gtttttggat tatatagcac ctagagtctc tgatgtaggg aatttttgtt agtcaaact 960
acgctaaact tccaagggaa aatctttcag gtacgctaag cttgcttttc tagagtgtg 1020
agttgcattg ctactgtgat tttttgaaaa caaactgggt ttgtacaagt gagaaagact 1080
agagagaaaag attttagtct gtttagcaga agccatttta tctgcgtgca catggatcaa 1140
tatttctgat cccctatacc ccaggaaggg caaaatccca aagaaatgtg ttagcaaaat 1200
tggctgatgc tatcatattg ctatggacat tgatcttgcc caacacaatg gaattccacc 1260
acactggact agtggatcca ctagttctag agcgccggc caccgcggtg gagtccagc 1320
ttttgttccc tttagttagg gtttaattgcg cgcttggcgt aatcatnn 1368

```

&lt;210&gt; 62

&lt;211&gt; 924

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Where n is unknown for all occurrences

&lt;400&gt; 62

Al  
w

```

caaaggnaca ggaacagctt gnaaagtact gncatnccn cctgcaggga ccagcccttt 60
gcctccaaaa gcaataggaa atttaaaaga tttncactga gaaggggncc acgttttntart 120
tnnaatgtn tcargnanar tnccttncaa atgnrcnctn cactnactnr gnatttgggt 180
tnccgnrtn mgnactatnt caggtttgaa aaactggatc tgccacttat cagttatgtg 240
accttaaaga actccgttaa tttctcagag cctcagtttc cttgtctata agttgggagt 300
aatattaata ctatcatttt tccaaggatt gatgtgaaca ttaatgagggt gaaatgacag 360
atgtgtatca tggttcctaa taaacatcca aaatatagta cttactattg tcattattat 420
tacttgtttg aagctaaaga cctcacaata gaatcccatc cagcccacca gacagagyt 480
tgagttttct agtttggaag agctattaaa taacaacktc tagtgtcaat tctatacttg 540
ttatgggtcaa gtaactgggc tcagcatttt acattcattg tctctttaag ttctagcaat 600
gtgaagcagg aactatgatt atattgacta cataaatgaa gaaattgagg ctgagataca 660
ttaagtaatt ctcccagggt cacacagcta gaactggcaa agcctgggat tgatccatga 720
tcttcagca ttgaagaatc ataaatgtaa ataactgcaa ggccttttcc tcagaagagc 780
tcttggtgct tgcaccaacc cactagcact tgttctctac aggggaacat ctgtgggcct 840
gggaatcact gcacgtcgca agagatgttg cttctgatga attattgttc ctgtcagtg 900
tgtgaaggca aaaaaaaaaa aaaa 924

```

&lt;210&gt; 63

&lt;211&gt; 1079

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 63

```

agtcccaaga actcaataat ctcttatgtt ttcttttgaa gacttatttt aaatattaac 60
tatttcgggtg cctgaatgga aaaatataaa cattagctca gagacaatgg ggtacctgtt 120
tggaatccag ctggcagcta taagcaccgt tgaaaactct gacaggcttt gtgccctttt 180
tattaaatgg cctcacatcc tgaatgcagg aatgtgttcg tttaaataaa cattaatctt 240
taatgttgaa ttctgaaaac acaaccataa atcatagtgt gtttttctgt gacaatgatc 300
tagtacatta tttcctccac agcaaacctt ctttccaga aggtggaaat tgtatttgca 360
acaatcaggg caaaacccac acttgaaaag cattttacaa tattatatct aagttgcaca 420
gaagacccca gtgatcacta ggaaatctac cacagtccag tttttctaata ccaagaaggt 480
caaacttcgg ggaataatgt gtccctcttc tgctgctgct ctgaaaaata ttcgatcaaa 540
acgaagttaa caagcagcag ttattccaag attagagttc atttgtgtat cccatgtata 600
ctggcaatgt ttaggtttgc ccaaaaactc ccagacatcc acaatgttgt tgggtaaac 660
accacatctg gtaacctctc gatcccttag atttgtatct cctgcaaata taactgtagc 720
tgactctgga gctcttgca ttttctttaa aaccattttt aactgattca ttcgttccgc 780
agcatgccct ctggtgctct ccaaaggga tgctataagg caaagctcat ttctgacac 840
attcacatgc acacataaaa ggtttctcat catttttgga cttggaaaag gaataatctc 900
ttggcttttt aatttccactc ttgatttctt caacattata gctgtgaaat atccttcttc 960
atgacctgta ataatctcat aattacttga tctcttcttt aggtagctat aatatggggg 1020
aataacttcc tgtagaaata tcacatctgg gctgtacaaa gctaagtagg aacacacc 1079

```

&lt;210&gt; 64

&lt;211&gt; 1001

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 64



```

gaatgtgcaa cgatcaagtc aggttatctg tggatccac cactttgagc atttatcgat 60
tctatatgtc aggaacattt caagttatct gttctagcaa ggaaatataa aatacttata 120
gttaactatg gcctatctac agtgcaacta aaaactagat ttatttcctt tccacctgtg 180
ggtttgtatt catttaccac cctcttttca ttccctttct caccacaca ctgtgccggg 240
cctcaggcat atactattct actgtctgtc tctgtaagga ttatcatttt agcttccaca 300
tatgagagaa tgcattgcaa gtttttcttt ccatgtctgg cttatttcac ttaacataat 360
gacctccgct tccatccatg ttatttatat taccatagat tgttcataaa tatatataca 420
cacatatata ccacattgca tttgtccaat tattcattga cggaaactgg ttaatgttat 480
atcgttgcta ttgtggatag tgctgcaata aacacgcaag tggggatata atttgaagag 540
tttttttgtt gatgttcttc caaattttta gattgttttg tctatgtttg tgaaaatggc 600
gttagtattt tcatagagat tgcattgaat ctgtagattg ctttgggtaa gtatggttat 660
tttgatggta ttaatttttt cattccatga agatgagatg tctttccatt gtttgtgtcc 720
tctacatttt ctttcatcaa agttttgttg tatttttgaa gtagatgtat ttcaccttat 780
agatcaagtg tattccctaa atattttatt tttgtagcta ttgtagatga aattgccttc 840
ttgatttctt tttcacttaa ttcattatta gtgtatggaa atgttatgga tttttatttg 900
ttggttttta atcaaaaact gtattaaact tagagttttt tgtggagttt ttaagttttt 960
ctagatataa gatcatgaca tctacaaaaa aaaaaaaaaa a 1001

```

&lt;210&gt; 65

&lt;211&gt; 575

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 65

```

acttgatata aaaaggatat ccataatgaa tattttatac tgcattcttt acattagcca 60

```

```

ctaaatacgt tattgcttga tgaagacctt tcacagaate ctatggattg cagcatttca 120
cttggctact tcatacccat gccttaaaga ggggcagttt ctcaaaagca gaaacatgcc 180
gccagttctc aagttttcct cctaactcca tttgaatgta agggcagctg gcccccaatg 240
tgggggaggtc cgaacatttt ctgaattccc attttcttgt tcgcggctaa atgacagttt 300
ctgtcattac ttagattccc gatctttccc aaagggtgtg atttacaaag aggccagcta 360
atagccagaa atcatgaccc tgaaagagag atgaaatttc aagctgtgag ccaggcagga 420
gctccagtat ggcaaagggt cttgagaatc agccatttgg taaaaaaaag atttttaaaag 480
cttttatgtt ataccatgga gccatagaaa ggctatggat tgtttaagaa ctattttaaa 540
gtgttcagaa cccaaaaagg aaaaaaaaaa aaaaaa 575

```

```

<210> 66
<211> 831
<212> DNA
<213> Homo sapiens

```

AI  
ux

```

<400> 66
attgggctcc ttctgctaaa cageccacatt gaaatggttt aaaagcaagt cagatcaggt 60
gatttgtaaa attgtattta tctgtacatg tatgggcttt taattccac caagaaagag 120
agaaattatc tttttagtta aaaccaaatt tcacttttca aaatatcttc caacttattt 180
attggttgtc actcaattgc ctatatatat atatatatat gtgtgtgtgt gtgtgtgcgc 240
gtgagcgac gtgtgtgtat gcgtgcgcgt gtgtgtgtat gtgtattatc agacataggt 300
ttctaacttt tagatagaag aggagcaaca tctatgccaa atactgtgca ttctacaatg 360
gtgctaactc cagacctaaa tgatactcca tttaatttaa aaaagagttt taaataatta 420
tctatgtgcc tgtatttccc ttttgagtgc tgcacaacat gttaacatat tagtgtaaaa 480
gcagatgaaa caaccacgtg ttctaaagtc tagggattgt gctataatcc ctatttagtt 540
caaaattaac cagaattcct ccatgtgaaa tggaccaaac tcatattatt gttatgtaaa 600
tacagagttt taatgcagta tgacatccca caggggaaaa gaatgtctgt agtgggtgac 660
tgttatcaaa tattttatag aatacaatga acggtgaaca gactggtaac ttgtttgagt 720
tcccatgaca gatttgagac ttgtcaatag caaatcattt ttgtatttaa atttttgtac 780
tgatttgaaa aacatcatta aatatcttta aaagtaaaaa aaaaaaaaaa a 831

```

```

<210> 67
<211> 590
<212> DNA
<213> Homo sapiens

```

```

<400> 67
gtgctctgtg ttttttttta ctgcattaga cattgaatag taatttgcgt taagatacgc 60
ttaaaggctc tttgtgacca tgtttccctt tgtagcaata aaatgttttt tacgaaaact 120
ttctccctgg attagcagtt taaatgaaac agagttcatc aatgaaatga gtatttataa 180
taaaaaattg ccttaatgta tcagttcagc tcacaagtat tttaagatga ttgagaagac 240
ttgaattaaa gaaaaaaaaa ttctcaatca tttttttaa atataagact aaaattgttt 300
ttaaaacaca tttcaaatag aagtgaagtt gaactgacct tatttatact ctttttaagt 360
ttgttccttt tccctgtgcc tgtgtcaaat cttcaagtct tgctgaaaat acatttgata 420
caaagttttc tgtagttgtg ttagttcttt tgtcatgtct gtttttggt gaagaaccaa 480
gaagcagact tttcttttaa aagaattatt tctctttcaa atatttctat cttttttaaa 540
aaattccttt ttatggctta tatactaca tatttaaaaa aaaaaaaaaa 590

```

```

<210> 68
<211> 301
<212> DNA

```

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 68

ttgtgttgga gttccctttt ccggtcggcg tggctctgcg agtggagtgt ccgctgtgcc	60
cgggcctgca ccatgagcgt cccggccttc atcgacatca gtgaagaaga tcaggctgct	120
gagcttcgtg cttatctgaa atctaaagga gctgagattt cagaagagaa ctcggaagg	180
ggacttcatg ttgatttagc tcaaattatt gaagcctgtg atgtgtgtct gaaggaggat	240
gataaagatg ttgaaagtgt gatgaacagt ggggnatcct actcttgatc cggaanccna	300
c	301

<210> 69

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 69

tctatgagca tgccaaggct ctgtgggagg atgaaggagt gcgtgcctgc tacgaacgct	60
ccaacgagta ccagctgatt gactgtgccc agtacttctt ggacaagatc gacgtgatca	120
agcaggctga ctatgtgccg agcgatcagg acctgcttcg ctgccgtgtc ctgacttctg	180
gaatctttga gaccaagtgc caggtggacn aagtcaactt ccacatgntt gacgtgggtg	240
gccagcgcga tgaacgccgc aagtggatcc agtgcttcaa cgatgtgact gccatcatct	300
t	301

<210> 70

<211> 201

<212> DNA

<213> Homo sapiens

<400> 70

gcggctcttc ctcgggcagc ggaagcggcg cggcggtcgg agaagtggcc taaaacttcg	60
gcgttggttg aaagaaaatg gcccgaacca agcagactgc tcgtaagtcc accggtggga	120
aagccccccg caaacagctg gccacgaaag ccgccaggaa aagcgtctcc tctaccggcg	180
gggtgaagaa gcctcatcgc t	201

<210> 71

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 71

41  
nt



```

gccggggtag tgcgcgncgc cgcgcgcgct gcagccactg caggcaccgc tgccgcgcgc 60
tgagtagtgg gcttaggaag gaagaggtca tctcgctcgg agcttcgctc ggaaggggtct 120
ttgttccctg cagccctccc acgggaatga caatggataa aagtgaagctg gtacanaaag 180
ccaaactcgc tgagcaggct gagcgatatg atgatatggc tgcagccatg aaggcagtc 240
cagaacaggg gcatgaactc ttcaacgaag agagaaatct gctctctggt gcctacaaga 300
a 301

```

```

<210> 72
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> modified_base
<222> (250)
<223> Where n is unknown

```

```

<400> 72
cttgggggggt gttggggggag agactgtggg cctggaaata aaacttgtct cctctaccac 60
cacctgtac cctagcctgc acctgtccac atctctgcaa agttcagctt ccttccccag 120
gtctctgtgc actctgtctt ggatgctctg gggagctcat gggaggagga gtctccacca 180
gagggaggct caggggactg gttggggccag ggatgaatat ttgagggata aaaattgtgt 240
aagagccaan g 251

```

AI  
wt

```

<210> 73
<211> 913
<212> DNA
<213> Homo sapiens

```

```

<400> 73
tttttttttt tttttcccag gccctctttt tatttacagt gataccaaac catccacttg 60
caaattcttt ggtctcccat cagctggaat taagtaggta ctgtgtatct ttgagatcat 120
gtatttgtct ccactttggt ggatacaaga aaggaaggca cgaacagctg aaaaagaagg 180
gtatcacacc gctccagctg gaatccagca ggaacctctg agcatgccac agctgaacac 240
ttaaagagg aaagaaggac agctgctctt catttatttt gaaagcaaat tcatttgaaa 300
gtgcataaat ggtcatcata agtcaaactg atcaattaga ctttcaacct aggaaacaaa 360
attttttttt tctatttaat aatacaccac actgaaatta tttgccaatg aatcccaaag 420
atttggtaca aatagtacaa ttcgtatttg ctttcctctt tcctttcttc agacaaacac 480
caaataaaat gcagggtgaaa gagatgaacc acgactagag gctgacttag aaatttatgc 540
tgactcgatc taataaaaaat tatgttggtt aatgttaatc tatctaaaat agagcatttt 600
gggaatgctt ttcaaagaag gtcaagtaac agtcatacag ctagaaaagt cctgaaaaaa 660
aagaattggt aagaagtata ataacctttt caaaacccac aatgcagctt agttttcctt 720
tatttatatt tgggtcatgaa gactatcccc atttctccat aaaatcctcc ctccatactg 780
ctgcattatg gcacaaaaga ctctaagtgc caccagacag aaggaccaga gtttctgatt 840
ataaacaatg atgctgggta atgtttaaat gagaacattg gatatggatg gtcagcccaa 900
cacaatggaa ttc 913

```

```

<210> 74
<211> 351
<212> DNA

```

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 74

tgtgcncagg	ggatgggtgg	gcngtggaga	ngatgacaga	aaggctggaa	ggaanggggg	60
tgggtttgaa	ggccanggcc	aaggggncc	caggtccgnt	tctgnnaagg	gacagccttg	120
aggaaggagn	catggcaagc	catagctagg	ccaccaatca	gattaagaaa	nnctgagaaa	180
nctagctgac	catcactgtt	ggtgnccagt	ttcccaacac	aatggaatnc	caccacactg	240
gactagnnga	nccactagtt	ctagagcggc	cgccaccgcg	gtggaacccc	aacttttggc	300
cctttagnga	gggttaattg	cgcgcttggc	ntaatcatgg	tcataagctg	t	351

<210> 75

<211> 251

<212> DNA

<213> Homo sapiens

<400> 75

tacttgacct	tctttgaaaa	gcattcccaa	aatgctctat	tttagataga	ttaacattaa	60
ccaacataat	tttttttaga	togagtcagc	ataaatttct	aagtcagcct	ctagtcgtgg	120
ttcatctctt	tcacctgcat	tttatttggg	gtttgtctga	agaaaggaaa	gaggaaagca	180
aatacgaatt	gtactatttg	taccaaattc	ttgggattca	ttggcaaata	atttcagtgt	240
ggtgtattat	t					251

<210> 76

<211> 251

<212> DNA

<213> Homo sapiens

<400> 76

tatttaataa	tacaccacac	tgaaattatt	tgccaatgaa	tcccaaagat	ttggtacaaa	60
tagtacaatt	cgtatttgct	ttcctctttc	ctttcttcag	acaaacacca	aataaaatgc	120
aggtgaaaga	gatgaaccac	gactagaggc	tgacttagaa	atttatgctg	actcgatcta	180
aaaaaaatta	tgttgggtta	tgtaaatcta	tctaaaatag	agcatttttg	gaatgctttt	240
caaagaaggt	c					

<210> 77

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 77

actcaccgtg	ctgtgtgctg	tgtgectgct	gcctggcagc	ctggccctgc	cgctgctcag	60
gaggcgagg	gcatgagtga	gctacagtgg	gaacaggctc	aggactatct	caagagannn	120
tatctctatg	actcagaaac	aaaaaatgcc	aacagtttag	aagccaaact	caaggagatg	180
caaaaattct	ttggcctacc	tataactgga	atgttaaact	cccgcgtcat	agaaataatg	240
cagaagccca	gatgtggagt	gccagatggt	gcagaatact	cactatttcc	aaatagccca	300

aaatggactt ccaaagtgggt cacctacagg atcgtatcat atactcgaga c

351

<210> 78  
 <211> 1592  
 <212> DNA  
 <213> Homo sapiens

<400> 78

gaattccatt gtgttggggc cctggggggc gaggggaggg gccaccacg gccttatttc 60  
 cgcgagcgcc ggcaactgcc gctccgagcc cgtgtctgtc gggtgccgag ccaactttcc 120  
 tgcgtccatg cagccccgcc ggcaacggct gcccgctccc tgggccgggc ccagggggccc 180  
 gcgccccacc gccccgctgc tcgcgctgct gctgttgtc gcccggtgg cgcgccccgc 240  
 ggggtccggg gaccccgacg accctgggca gcctcaggat gctgggggtcc cgcgcaggct 300  
 cctgcagcag gcggcgcgcg cggcgcttca cttcttcaac ttccggtccg gctcgcccag 360  
 cgcgctgcga gtgttgccg aggtgcagga gggccgcgcg tggattaatc caaaagaggg 420  
 atgtaaagt cactgtgtct tcagcacaga gcgctacaac ccagagtctt tacttcagga 480  
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 tgataatcat ggacatattg atccctctct gagactcatc tgggatttgg ctttccttgg 720  
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<210> 79  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Where n is unknown for all occurrences

<400> 79

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 ccagaaacgt cactactgcc aagatggcca ggtacttcaa ggtctggaac atgttgagct 180  
 gagtccagta gacatacatg agtcccagca tagcagcatg tcccaggtga aatataatcg 240  
 tgctaggagc aaaagtgaag ttggagacat tggcaccaat ccggatccac tagttctaga 300  
 gcggccgcca ccgcggtgga gctccagctt ttgttccctt tagtgagggt taattgcgcg 360

cttggcgtaa tcatggncat agctgtttcc tgtgtgaaat t

401

<210> 80  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 80  
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 aagacaggcc taagctctag gacgggtgaat ctcggggcta tttgtggatt tgtagaaac 180  
 agacattctt ttggcctttt cctggcactg gtgttgccgg caggtgggca gaagtgagcc 240  
 accagtcact gttcagtcac tgccaccaca gatcttcagc agaatcttcc ggtaatcccc 300  
 t 301

<210> 81  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> modified\_base  
 <222> (195)  
 <223> Where n is unknown

AI cut  
 <400> 81  
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 agctctcctg gtgttgactt agggatgaag gctccaggct gctgccagaa atggagtcac 180  
 cagcagaaga actgntttct ctgataagga tgtcccacca ttttcaagct gttcggttaa 240  
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 t 301

<210> 82  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 82  
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 aagagatcca tggcaggaag tcaagagttc tgcttcaggg tcggtctggg cagccctgga 120  
 agaagtcatt gcacatgaca gtgatgagtg ccaggaaaac agcatactcc tggaaagtcc 180  
 acctgctggn cactgnttca t 201

<210> 83  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> modified\_base  
 <222> (232)  
 <223> Where n is unknown

<400> 83  
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 cccaaaccgg ctccctctta ccaagtaccg taaacagggt ttgagaacgt tcaatcaatt 180  
 tcttgatatg aacaatcaaa gcatttaatg caaacatatt tgcttctcaa anaataaaac 240  
 cattttccaa a 251

<210> 84  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

<400> 84  
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 tccaggcatt aagtgtgtca tacagttgtt gccactgctg ttttccaaat gtccgatgtg 180  
 tgctatgact gacaactact tttctctggg tctgatcaat tttgcagtan accatttttag 240  
 ttcttacggc gtcnataaca aatgcttcaa catcatcagc tccaatctga agtcttgctg 300  
 c 301

<210> 85  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<400> 85  
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 agtcacacca taaaggagtt tatccttaaa aggagtgaag gacattcaaa aaccaactgc 120  
 aataaaaaag ggtgacataa ttgctaaatg gagtggagga acagtgttta tcaattcttg 180  
 attgggccac aatgatatac c 201

<210> 86  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> modified\_base  
 <222> (237)  
 <223> Where n is unknown

<400> 86

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cccttttgca	atataactta	tatgactatc	ttctcaaaaa	cgtgacattc	gattataaca	120
cataaactac	atthtatagtt	gttaagtcac	cttgtagtat	aaatatgttt	tcatcttttt	180
tttgtaataa	ggtacatacc	aataacaatg	aacaatggac	aacaaatctt	atthttgntat	240
tcttccaatg	taaaattcat	ctctggccaa	aacaaaatta	accaaagaaa	agtaaaacaa	300
t						301

<210> 87  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

aaaaaagatt	taagatcata	aatagggtcat	tgttggtcaca	acacatttca	gaatctttaa	60
aaaacaaaca	ttttggcttt	ctaagaaaaa	gactttttaa	aaaaatcaat	tccctcatca	120
ctgaaaggac	ttgtacattt	ttaaacttcc	agtctcctaa	ggcacagtat	ttaatcagaa	180
tgccaatatt	accaccctgc	tgtagcanga	ataaagaagc	aagggattaa	cacttaaaaa	240
aacngccaaa	ttcctgaacc	aatcatttgg	cattttttaa	aagggataaa	aaaacnggnt	300
aaggggggga	gcatttttaag	taaagaangg	ccaaggggtg	tatgccngga	c	351

<210> 88  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Where n is unknown for all occurrences

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ttttctgggtg	gaagcacaca	gttaattaac	tcaagtgtgg	cgntagcgat	gctttttcat	180
ggngtcattt	atccacttgg	tgaacttgca	cacttgaatg	naaactcctg	ggtcattggg	240
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c						301

<210> 89  
 <211> 591  
 <212> DNA  
 <213> Homo sapiens

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gctctccctc	ctccccctgcc	ctagcccagg	gacagagtct	aggaggagcc	tggggcagag	180
ctggaggcag	gaagagagca	ctggacagac	agctatggtt	tggattgggg	aagagattag	240
gaagtaggtt	cttaaagacc	cttttttagt	accagatctc	cagccatatt	cccagctcca	300
ttattcaaat	catttcccat	agcccagctc	ctctctgttc	tccccctact	accaattctt	360

tggtctttac	acaattttta	tccctcaaat	attcatccct	ggcccaacca	gtcccctgag	420
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acagagacct	ggggaaggaa	gctgaacttt	gcagagatgt	ggacaggtgc	aggctagggg	540
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&lt;210&gt; 90

&lt;211&gt; 1996

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 90

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tggtttgtaa	caatctagaa	gcaatctggt	tacaaaagtg	ccaccaaagc	attttaaaga	300
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aagcctattt	gaaatgtgtt	ttttttaggg	gctgtaatta	ccaattaaaa	ttaagggttca	1860
ggtgactcag	caaccaaaca	aaagggatac	taatttttta	tgaacaatat	atttgtattt	1920
tatggacata	aaaggaaact	ttcagaaaga	aaaggaggaa	aataaagggg	gaaagggacc	1980
caacacaatg	gaattc					1996

&lt;210&gt; 91

&lt;211&gt; 911

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

AI  
Wx

&lt;400&gt; 91

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atgaaaacgc	tggactacaa	atgcagggtt	ctttatatcc	ttaacttcaa	ttattgtcac	180
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ccaacacaat	g					911

&lt;210&gt; 92

&lt;211&gt; 1710

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 92

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tcatttttaa	aagccaaaca	gcttttcatt	aggatgcatg	caaggggaag	gagatagaaa	1620

AI  
W



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 cttttgcctc tgcccaacac aatggaattc 1710

<210> 93  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<400> 93  
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 accaacaggc cacatcctga taaaaggtaa gaggggggtg gatcagcaaa aagacagtgc 180  
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 actttcatat g 251

<210> 94  
 <211> 738  
 <212> DNA  
 <213> Homo sapiens

AI  
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 acatctttag tgggacga 738

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